

(c) 2005 JPO & JAPIO  
\*File 347: JAPIO data problems with year 2000 records are now fixed.  
Alerts have been run. See HELP NEWS 347 for details.

Set	Items	Description
? s pn=jp	1148368	
S1	1	PN=JP 1148368
? t	1/9/1	

1/9/1  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

02850768   \*\*Image available\*\*  
COATING METHOD

PUB. NO.:       01-148368   [\*JP 1148368\* A]  
PUBLISHED:     June 09, 1989 (19890609)  
INVENTOR(s):   TSUKADA ICHIRO  
APPLICANT(s):  TSUKADA ICHIRO [000000] (An Individual), JP (Japan)  
APPL. NO.:     62-304536   [JP 87304536]  
FILED:         December 03, 1987 (19871203)  
INTL CLASS:    [4] B05D-001/32; B05D-007/00  
JAPIO CLASS:   14.7 (ORGANIC CHEMISTRY -- Coating Material Adhesives)  
JOURNAL:       Section: C, Section No. 634, Vol. 13, No. 408, Pg. 88,  
                September 08, 1989 (19890908)

#### ABSTRACT

PURPOSE: To easily position the surface to be coated by adhering a stainproofing material to one surface of a column, sliding markers on the other surface adjacent to the corner, cutting the adhered part into strips by the blade of the marker at a position to be coated on the surface, and successively releasing the strips from the strip away from the corner.

CONSTITUTION: An adhesive tape 1 (a kind of stainproofing material) is adhered to one surface of the column 2 constituting the wall surface. The marker 4 is slid on the other surface adjacent to the corner, and the adhered part is cut by the blade 4b of the marker 4 in parallel to the corner and at the positions to be coated on the surface to obtain cut lines 1a-1d, and the strips 1ab, 1bc, and 1cd are formed. The strips are successively released from the strip 1ab remotest from the corner, and the positions to be coated on the surface are formed. The positions are then successively coated.

? s pn=jp 2006189  
    S2       1   PN=JP 2006189  
? t 2/9/1

2/9/1  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

03030689   \*\*Image available\*\*  
IC CARD AND IC MODULE

PUB. NO.:       02-006189   [\*JP 2006189\* A]  
PUBLISHED:     January 10, 1990 (19900110)  
INVENTOR(s):   HIDA YOSHIAKI

TERADA YOSUKE  
APPLICANT(s): DAINIPPON PRINTING CO LTD [000289] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 63-156233 [JP 88156233]  
FILED: June 24, 1988 (19880624)  
INTL CLASS: [5] B42D-015/10; G06K-019/077; B42D-109/00  
JAPIO CLASS: 30.1 (MISCELLANEOUS GOODS -- Office Supplies); 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JOURNAL: Section: M, Section No. 950, Vol. 14, No. 140, Pg. 44, March 16, 1990 (19900316)

## ABSTRACT

PURPOSE: To prevent the breakage of an IC chip caused by stress concentration occurring on a substrate at and around an insulating groove by a method wherein the insulating groove extending orthogonally to the longitudinal direction of a card base material is provided outside an area corresponding to an IC chip mounting area.

CONSTITUTION: An insulating groove 22 extends orthogonally to the longitudinal direction of a card base material 30 on the slightly righthand side of the center of a substrate 12. Since an IC chip 17 is disposed on the slightly lefthand side of the center of the substrate 12, the insulating groove 22 is disposed out of an external terminal-side area corresponding to an area for mounting the IC chip 17. The IC card 10 in use is subjected to a bending action in the longitudinal direction of the card base material 30, whereby stress concentration occurs on the substrate 12 in the vicinity of the insulating groove 22 extending orthogonally to the longitudinal direction of the card base material. Since the insulating groove 22 is disposed outside of the external terminal-side area corresponding to the area for mounting the IC chip 17, the IC chip 17 can be prevented from the breakage caused by the stress concentration occurring on the substrate 12 in the vicinity of the insulating groove 22.

? s pn=jp 5016368

S3

1 PN=JP 5016368

? t 3/9/1

3/9/1

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

04024668 \*\*Image available\*\*  
INK DISCHARGE DEVICE

PUB. NO.: 05-016368 [\*JP 5016368\* A]  
PUBLISHED: January 26, 1993 (19930126)  
INVENTOR(s): MATSUDA KOEI  
IWASAKI MASAYA  
NOGUCHI TOMOYUKI  
SHIRAISHI HAJIME

APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 03-170046 [JP 91170046]  
FILED: July 10, 1991 (19910710)  
INTL CLASS: [5] B41J-002/05; B41J-002/125  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD: R105 (INFORMATION PROCESSING -- Ink Jet Printers)